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Subject: Unique Zero Liquid Discharge (ZLD) System for Treatment of Wastewater
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Unique Zero Liquid Discharge (ZLD) System for Treatment of Wastewater from Coal-Fired Generation

Flue Gas Desulfurization (FGD) and Integrated Gasification Combined Cycle (IGCC) processes produce large volumes of saline wastewater containing toxic

and hazardous constituents.

Utilizing proven HPD® Evaporation and Crystallization technology, Veolia has developed a simple and robust process to separate the wastewater from coal-fired power plants into clean water and a stable, non-hazardous solid for disposal and/or re-use.

The CoLD® Process is a simple and economical approach to ZLD. It requires no chemical treatment of the wastewater and generates no additional sludge for disposal. It is an ideal solution to address issues facing the power industry, such as stricter water reuse standards, mandated ZLD, and increasingly stringent regulations for discharge of total dissolved solids (TDS).

Learn More

Benefits of The CoLD Process:

- Achieves Zero Liquid Discharge on difficult coal-fired wastewaters
- Lowest CAPEX and OPEX
- No chemical pre-treatment or sludge production
- Produces clean water for reuse and stable solids for disposal
- Simple, robust process with high reliability and availability
- Operating experience in other industries

Download CoLD Datasheet

Case Study: ELCOGAS, S.A.

Veolia Water Technologies worked with ELCOGAS to implement a new, more effective water treatment system for the plant. Veolia developed a new thermal process based on similar applications which is ideal for treating gray water from the gasifier. It offers a reliable, robust solution to achieve the objectives of the plant for maximum water reuse, Zero Liquid Discharge (ZLD), and use of the best available technology

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For more information, contact Jill Browning, Power Marketing Manager at jill.browning@veolia.com

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